



BADGER STATE Smoke Signals



Serving Amateur Radio in Wisconsin

Published Monthly Since 1969

Vol. 16 No. 4 - 184th Consecutive Monthly Issue - Baraboo WI - April 1985

(Editor's note: We usually hear from Vrah Remah, J8XGN+1 once a year (every April), and we are happy that this year is no exception. Vrah was in a creative mood, and we hope you enjoy the following. k9zz)

FROM THE LABORATORY OF VRAH
REMAH

Dear Jim:

In the past year, many important things have occurred here. As an example, one of our engineers, "formerly with the 500 LINE", has been working on a new concept, but has had problems with diodes. He's had trouble with his GERMANIUMS blossoming and the half-SCHOTTKY ones sobering off, to say nothing of the VARI-CAPS, which he mistook for black caps and tried to eat with sugar and cream.

He couldn't figure why a TUNNEL DIODE had to go underground to function, but concluded that the problem was a thyroid condition that THYRISTORS must have.

When we tried to explain that SCR was not Simple Colored Rash, he agreed to test a couple, and if we didn't leave the GATE open too long and let in anyone in who could operate the LATCH.

Now he knows that a diode is not two songs to Billie-Jo and feels better about the HOLE thing.

So our UNBIASED opinion is that he may become limited in his PEAKING at all the INVERSE conditions and not worry about the AVALANCHE VOLTAGE he thought would cover him up.

He feels that having the right ticket to hand the CONDUCTOR will allow him to pass the GATE with no problems and get off at the proper JUNCTION.

So the new diode he is proposing will have a more fluent "P" material, extracted from hops, and an "N" material left over from COMMON CARRIERS, this should be a GROSS improvement, thus we can PIN down any SNAP-OFF in the CURRENT market.

Must get back to the lab now and check on our office girl, as I haven't ZENER lately, and she may have fell in the SINK.

VY 146 ES 176 from us

Vrah Remah, J8XGN+1

Are YOU a Badger State subscriber? If not, why not? Our rates are more than reasonable! Stay up to date with what's happening in Wisconsin Amateur Radio.. subscribe today! Send your sub to Keeper of the Funds (Treasurer) Jim Decker, WB9UQT, P.O. Box 337, Baraboo WI 53913-0337 TODAY! -k9zz-

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 Jim Romelfanger, K9ZZ, Editor
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 print items from BSSS provid-
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SWAPFESTS AND OTHER SOCIAL EVENTS

The Libertyville and Mundelein ARS will sponsor the LAMARFEST 1985 on Sunday March 31, 1985 at the Lake County Fairgrounds, Grayslake, Illinois. Registration \$2.00 advance or \$3.00 at door. Advance tables \$5.00 (not in commercial area). Lamars, Box 751, Libertyville, IL 60048.

The 13th annual MADISON SWAPFEST, sponsored by the Madison Area Repeater Association, will be held on Sunday, April 21, 1985 at the Dane County Expo Center Forum Building in Madison WI. Dealers and commercial exhibitors, electronic equipment & components for Hams, computer hobbyists & experimenters. All you can eat pancake breakfast - beef bar-b-que luncheon. Admission: \$2.50 in advance or \$3.00 at the door (children 12 and under free). Tables: \$4.00 advance or \$5.00 at the door. Reserve early -- sold out last year. Reservations not accepted after April 15, 1985. Mail to MARA, Box 3403, Madison, WI 53704. (Give your support to MARA, a Badger State Booster)

The Ozaukee Radio Club presents its seventh annual SWAPFEST at Cedarburg, WI, on Saturday May 4, 1985, 8:00 a.m.

to 1:00 p.m. Held in the Circle B Recreation Center, intersection of Highway 60 and county I. Advance admission \$2.00 (\$3.00 at the door). 4-foot tables \$2.00 ADVANCE ONLY. (reserve early - sold out last year) Send with business size s.a.s.e. to O.R.C. Swapfest Committee, 101 East Clay St., Saukville, WI 53080.

Kankakee Area Radio Society HAMFEST, Sunday, May 5, 1985 at the Kankakee County Fairgrounds, Kankakee, IL. S.A.S.E. to Kankakee Area Radio Society, 1377 Circle Dr. NW, Kankakee, IL 60901.

The De Kalb Hamfest sponsored by the Kishwaukee ARC will be held Sunday May 5, 1985 at the Sandwich Fairgrounds on Suydam Road, just north of route 34, Sandwich, IL. \$2.00 advance or \$3.00 at gate. For tickets write KARC, Box 334, Sycamore, IL 60178

SWAPFEST "85" sponsored by the South Milwaukee Amateur Radio Club, inc. will be held Saturday July 13, 1985 starting at 7:00 a.m. at the American Legion Post 434, Shepard Ave., Oak Creek, Wisconsin. Tickets \$3.00.

Annual Eau Claire HAMFEST sponsored by the Eau Claire ARC will be held July 13, 1985 at the 4H barns on Fairfax St. Registration \$2.00 in advance or \$3.00 at the door. SASE to: Gene Lieberg, 2840 Saturn Ave., Eau Claire, WI 54701

The Peoria Superfest, sponsored by the Peoria Area ARC, will be held on Sept. 21 and 22, 1985.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages, and/or we can include your flyers. For information on rates and requirements for our advertising pages, and/or for including flyers, please contact K9ZZ or K9EN.

CLUB MEETINGS:

Kettle Moraine Radio Amateurs:
 All meetings are held on the SECOND (2nd) Friday of each month.

Madison Area Repeater Association
 Swapfest, April 21, 1985 - details elsewhere in Smoke Signals.

Manitowoc County Radio Amateurs
MANCORAD meets on the third Wednesday of the month at 7:30 p.m. at Manitowoc Red Cross at 20th and Washington Streets in Manitowoc WI.

A CHANGE HAS BEEN MADE for the Manitowoc County Group's (MANCORAD) Spring Dinner. Here 'tis:

Date: May 4, 1985. Site: Eagles Club, Manitowoc WI. Cocktails: 6:00 p.m. Dinner: 7:00 p.m. Buffet style chicken, ham, and tips. Reservations must be in by April 29, 1985. Cost: \$6.00 per person if paid before 4-27-85 or \$7.00 per person after that. Contact Charles Scholten, 1313 Marshall St., Manitowoc, WI 54220.

Milwaukee Radio Amateurs Club:
All regular meetings of MRAC scheduled for 1985 at Wauwatosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month.

1985 meetings will be Apr. 11, May 9, June 13, Sep. 12, Oct. 10, Nov. 14.

Riverland Amateur Radio Club
Regular meetings are held at 7:30 P.M., on the first Wednesday of each month in the Onalaska Community Center in Onalaska, WI.

South Milwaukee Amateur Radio Club
Meetings held at Legion Post 434, Shepard Ave., Oak Creek, on first Wednesday of the month. Auctions held at March and October meetings.

West Allis Radio Amateurs Club
Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

April 9 - Program: "Information A La Carte" Presented by a Wisconsin Bell speaker. Your wives may want to hear this one.

The Wisconsin Valley Radio Association
(Wausau)
Holds regular monthly meetings on the first Tuesday of the month at 7:30 p.m. The location varies, but information is available on the 146.04/64 repeater in Wausau.

Yellow Thunder Amateur Radio Club:
(Baraboo, WI)
All regular meetings of YTARC are held in room 30 of the Baraboo Civic Center. (note new room nr.)

The meeting dates for 1985 are: Apr. 11, May 20, June 11, July 10, Aug. 15, Sep. 16, Oct. 15, Nov. 13, & Dec. 12.

Let us know of your club meeting dates, and we will let others know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

MISSELANI0US MISGALLENU0IS MEGELLANEU0S
Oh what the heck -- items of interest:

Four Lakes Amateur Radio Club
THE FEEDLINE
FLARC has located a new meeting facility. Effective for the first meeting in April (4/2/85), we will be at the new RED CROSS building.

Rita Offerdahl, ex KA9RLN received the new callsign of N9EZX. Rita applied for the new call when she upgraded last month. Congrats, nice call!

Bernie, N9EJL was heard to be a very active contestant during the ARRL DX CW contest on Feb. 16-17. NICE going.

Kettle Moraine Radio Association
KETTLE DRUMS
Even though the weather was a little warm and slushy on Sunday the 24th, the annual Ice Fishee came off like clock work. Well no-one caught a fish, but then again did anyone ever catch a fish at one of our Ice Fishees?

Oshkosh Amateur Radio Club, Inc.
THE INTERCOM
EAA - Forest Schaefer, WD9IWL, reported that a rather productive meeting had been held with Chuck Larsen, KØYUD, of the EAA. It looks as though a permanent location for the O.A.R.C. has been selected. It is hoped to have an exhibitors type tent, and a trailer for storage and security of equipment. It is not planned to operate low band freqs. for the site this year, but rather to use 2-meter rigs at the location.

It was also decided to have a picnic at the O.A.R.C. site for all EAA/Amateurs following the Air Show on Saturday, July 27th.

Ozaukee Radio Club
ORC NEWSLETTER
The O.R.C. 2-meter net is alive and well, and can be found on our repeater (146.37/97 - Port Washing-

ton) each Tuesday night at 8:00 (local) Check in and let us know you're there!

Riverland Amateur Radio Club (La Crosse area)

For news of the Riverland Amateur Radio Club, seen their section of Smoke Signals.

Sheboygan County Amateur Radio Club, NEWSLETTER

SUNDAY NET: In order to make the Sunday Morning Get Together more accessible to the members, the frequency has been changed from 3.940 to 3.860 MHz. Most of the Hams in the area had their antennas cut closer to this frequency, and the people who show up for the net were polled. See you there.

Wisconsin Nets Association

For news of the WNA see the WNA section of Smoke Signals.

Yellow Thunder Amateur Radio Club, Inc. For news of the YTARC see the YTARC section of Smoke Signals.

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

LIFETIME LICENSE

Do you have a commercial First Class, Second Class or General Radiotelephone operator license issued since Jan. 1, 1979? If you do you can obtain the FCC's new "Lifetime Operator License" certificate. Send your request during 1985 to the Field Office that issued your last license. Include your name as it appears on the license, your date of birth, and your license number. Write the words "Lifetime License" above the address on the envelope. Include a copy of your license if it has endorsements. Enclose a business SASE (9X12 inch SASE if you want your certificate unfolded.)

from State of the ARTS

SWAP NETS

A new Swapnet will be starting on the Wausau 146.22/82 repeater. The net will be every Sunday evening at 9:00 p.m. K9UTQ will be the initial net control.

This Swapnet joins other nets in Baraboo (146.28/88, Sundays at 10:00 a.m.) and Milwaukee (146.31/91 Sundays at 9:00 p.m.)

If there are any other Swapnets active in the Badger State, please let us know.

WANT ADS

Your ad can run here...For a mere fifty cents a line, you, too, can advertise in Badger State! Send your copy and humble remittance to Keeper of the Funds, Jim Decker, WB9UQT, P.O. Box 337, Baraboo, Wisconsin 53913-0337

FOR SALE:

ST600 Terminal unit (Hal)	\$100.00
RVD1005 Video Converter (Hal)	\$100.00
DB2010 Keyboard (Hal)	\$100.00
ST500 Terminal Unit (Hal)	\$100.00
(or all 4 units for \$350.00)	

Fred Linn, W9NZF, 5608 Edgewater Dr., Cedarburg, WI 53012. Telephone: (414) 377-3280 (after 5:00 p.m.) or (414) 242-6000 (days).

ISN'T IT STRANGE?

An Oldie from ARNS

When the English tongue we speak
Why is break not rhymed with freak?
Then tell me why it's true
We say sew and likewise few.
And the writers of poetic verse
Cannot rhyme his horse with worse!
Beard sounds not the same as heard,
And cord is different than word;
Cow is cow but low is low;
Show neve rhymes with foe.
Think of goose and then with choose;
Also comb and tomb and bomb.
Doll and roll and home and some.
And since pay is rhymed with say,
Why not paid with said, I pray?
We have blood with food and good,
Mould is not pronounced like could.
Is there any reason then, that we
Have sounds and letters disagree?

Have you heard any of these Synthesizers used with home computers? The above poem illustrates the extreme difficulty with artificial speech.

It's awful to be indecisive. It's like being a centipede who's told to put his best foot forward.

THE TEST POINT

The following are known locations where Amateur Radio license examinations are being given in the Badger State area.

April 6, 1985	Sheboygan, WI
April 13, 1985	Madison, WI
April 20, 1985	Minneapolis, MN
April 27, 1985	Milwaukee, WI
April 27, 1985	Wisconsin Rapids
May 5, 1985	Whitewater, WI
June 5, 1985	Milwaukee, WI
June 22, 1985	Minneapolis, MN
July 14, 1985	Whitewater, WI
September 28, 1985	Mt. Horeb, WI

General rules for all examinations:

All examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date.

To register for these examinations you must first secure a copy of the current FCC Form 610 (the one dated June 1984) and fill it out completely (AND CORRECTLY). Get your form from the FCC Field Office, the ARRL or Badger State Smoke Signals. send a 20¢ SASE if you request one from the ARRL or BSSS. In most cases forms can also be obtained from the sponsoring group. Remember--you must file at least 30 days in advance unless otherwise indicated.

ARRL/VEC examinations require a check for \$4.00 payable to ARRL/VEC.

Additional information is given below.

April 20, 1985	Minneapolis, MN
June 22, 1985	Minneapolis, MN

ARRL/VEC -- Minneapolis Radio Club.
Contact: Tony Becker, AEØM, 3638 Pleasant Ave. S. Minneapolis, MN 55409.

Mail the Form 610 and payment to the person listed above as the "contact" person for the test. You will receive additional information giving time, actual building, etc. prior to the test date.

April 13, 1985	Madison, WI
September 28, 1985	Mt. Horeb, WI

ARRL/VEC -- The Four Lakes Amateur Radio Club will be offering upgrade exams for all classes of Amateur radio license. The exams will be held March 2 and April 13 beginning at 8:30 a.m. in room 700, Memorial High School, Madison, Wisconsin. Talk in frequency is on 146.16/76 repeater. FCC Form 610s should be sent to Gary Lincoln, 6015 Winnequah Rd., Monona, WI 53716.

The September exam will take place in Mt. Horeb during the County Hunters Mini Convention.

May 5, 1985	Whitewater, WI
July 14, 1985	Whitewater, WI

Sponsored by Tri-County Amateur Radio Club. Contact Carl, KW9W.

April 6, 1985	Sheboygan, WI
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At the Red Cross Building, 1:30 p.m.

April 27, 1985	Wisconsin Rapids
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ARRL/VEC - Wisconsin Rapids ARC.

Gene Santoski, K9UTQ
1220 18th Ave. S.
Wisconsin Rapids, WI 54494

The Milwaukee Radio Amateurs' Club, Inc. is now an active VEC for region 9.

Milwaukee Metro area test dates are:

Saturday, April 27, 1984 at 7:00 p.m.
Tuesday, June 4, 1985 at 7:00 p.m.

Persons desiring to take a test indicate desired date and file with us on a Postal System post card (14¢) mailed to:

The Milwaukee Radio Amateurs' Club, Inc.
M50 W16328 Pin Oak Court
Menomonee Falls, WI 53012

PLEASE PRINT listing the grade of license you are applying for, your name, address, including Zip Code and your telephone number. Indicate which of the listed test dates you prefer to be tested on. These test dates are scheduled for Room 256 at Wauwatosa East High School, 74th and Milwaukee Avenue. Use east (74th Street) entrance.

On your test date, please appear at the appointed hour or not more than 1/2 hour later so that we can process your exam that day. Bring a good photo copy of your license, a pen and four dollars for the exam fee. We supply the proper 610 form and assist you in properly filling it out.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examineer Amateur Radio

license examination schedules.

Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN or K9ZZ at the address shown on page 2.

From The GEARVAKf Bulletin

W5YIPES RETORT

MONDALE ELECTION AFFECTS HAMS

The stunning upset victory of Senator Walter Mondale over President Ronald Reagan has thrown the Ham Radio community into turmoil, according to sources within the League of Radio Relaying Americans. (LRRRA). League spokesman, Jerry Felwall, told the W5YIPES Retort that President-elect Mondale's transition team is planning to "completely review all the activities of American Ham Radio operators before the new Mondale administration takes office." The purpose of the review, according to Felwall, is to see if "all those valuable government frequencies assigned to Hams can be put to better use helping the poor, promoting world peace, raising taxes, and reducing the budget deficit." Felwall said that the LRRRA's Board of Directors felt this scrutiny was unwarranted and were concerned that the review would have a "chilling effect" on the activities of Hams.

To get to the bottom of the story, I called the Mondale Transition Team headquarters in Washington, D.C. and talked to Team Chief, Alexander Slamfang, Jr. Mr Slamfang was almost co-operative and was semi-willing to be interviewed. Here are excerpts from that interview:

SLAMFANG: Yea, watch want?

W5YIPES: We have heard that the Mondale Transition Team is planning to review the activities of American Ham Radio operators before Mr. Mondale takes office. Is that true and, if so, what is the purpose of the review?

SLAMFANG: Say What? What're you talking, "Transition Team?" I'm busy looking for a job!

W5YIPES: Hmmm. are you familiar with the contributions of Ham Radio to our modern American society?

SLAMFANG: No, of course not! What's this all about? Is this you, Morry?

W5YIPES: No, this is not Morry. Tell me, Mr. Slamfang, have you spoken to Senator Mondale about his plans for the new administration?

SLAMFANG: What Senator Mondale? What new administration? Did Reagan resign or something? Who are you, anyway? You some kind of wimp?

W5YIPES: I'm afraid we must have a bad connection. How does Mr. Mondale feel about Amateur Radio.

SLAMFANG: How the hell should I know? I have to go now.

W5YIPES: Wait! Before you go, tell us how you think the administration will view Ham Radio.

SLAMFANG: Who Cares? [click]

Obviously, this was not a very satisfactory interview, so I called the White House and, after I identified myself, I asked if there was any in authority where who could clarify what was going on in the transition of administrations. Imagine my surprise when the White House operator put me through to President Reagan, himself. Here's how the conversation went:

W5YIPES: Mr. President, we've talked to your successor's Transition Team Chief about the role of Ham Radio in the new administration. Do you have any comments about Ham Radio as it relates to your term of office.

PRESIDENT REAGAN: Weeeelll, I just don't know what you're talking about. There certainly isn't going to be much transition around here. It just seeeems to me that radio is a good thing. You know, I used to be a sports announcer, and it was reeeaaalll good experience for me, so I hope everybody realizes what a good thing radio is for all Americans.

W5YIPES: Mr. President, you didn't really answer the question, but aside from that, you really don't sound all that sorry about being defeated in the election. Could that be true?

PRESIDENT REAGAN: Weeeelll, I don't know where you got the idea we were defeated. It must be the news media again, ha, ha, ha. In case you haven't heard, George and I won and Fritz and Gerry lost. I've got to go now. Nancy's calling me. Bye, bye. [cl

So there you have it! A real surprise for all of us, I'm sure. Anyway, you now have the up-to-date definitive word on the state of Ham Radio after the election. For further details, read the next W5YIPES RETORT.

RIVERLAND AMATEUR RADIO CLUB

On March 6, 1985, at 7:30 P.M., the regular monthly meeting of the Riverland Amateur Radio Club was called to order by President Craig Goldbeck. Minutes of the February meeting were approved as read from the Badger State Smoke Signals. The treasurer's report was approved.

Report from the Repeater Committee: Greg, KA9FOZ, and Nook, K9EGO, report that along with Dick, KØJYB they visited the repeater on Friday, Feb. 8 and resoldered and reconnected some of the wiring that gotten bad over the years. No other problems to be reported.

Report from the Swapfest Committee: It was noted that John, W9MMP, has volunteered to serve on the Swapfest Committee.

Old Business: Rick, KV9U, reports there are ten people signed up to take the exam on Wed, March 13, to either upgrade or take the exam for the first time.

Tonight was the last night to turn in prefix totals for our annual prefix contest. No logs were brought in so we had no winner.

Other possible displays or activities for our Swapfest were discussed, such as a computer display or an operating station. Various ways of advertising the Swapfest were discussed.

The interest in Field Day has increased, so possible sites were discussed. Being surrounded by bluffs, several sites were brought up. A group will get together some weekend and check out different locations.

New Business: Questions were raised as to whether we should order another set of club patches. Only one patch remains. A motion was made that the last patch in stock be given to our guest from SRI LANKA, Feroz Ghouse, 4S7FG. The motion passed and Feroz was presented with the patch.

Tom, WB9BJQ, announced that he has acquired several model 28 Teletype parts and anyone looking for them should contact him.

It was brought up that the emergency power back up for the 37/97 repeater be tested twice a year. It was agreed that Wed. March 20, at 7:30 P.M. the repeater will be shut down for 2 hours. It was also agreed that the Repeater Committee would check the battery connections and put a load test on it before the test night.

Application for Special Service Club for our club has been completed and will be mailed in as soon as possible.

Our guest, Feroz Ghouse, has asked if anyone could help him locate someone in Chile for him, please talk to him after the meeting. There was an earthquake in a small village there where some friends are located and because the phone lines are down, he has asked Amateur Radio for assistance.

Total members present was 21. The meeting was adjourned at 8:30 P.M.

Respectfully submitted
Greg A. Miller
Secretary-Treasurer
Riverland Amateur Radio Club

Members present

Greg A. Miller	KA9FOZ
Craig A. Goldbeck	N9ETD
John Young	W9KAZ
William A. Kleinschmidt	KA9SOI
John Carroll	W9MMP
Mike Nelson	KB9RJ
Herman Ludvik	W9HJV
Bill Pike	K9FYZ
Dallas C. Miller	K9LEC
L. F. (Nook) Bentzen	K9EGO
Bob Collieran	W9JLH
Ray Wakeen	WA9HHM
Ron Reed	KA9ISV
Rick Williams	KV9U
Steve Mrachek	N9CEY
Duane Fruechte	W9HWQ
Tom O'Brien	WB9BJQ
Art Osborn	WØJDC
Bruce Bjerstedt	K9CUT
Van Elston	WA9FIO
Gary Countryman	KA9NDF
Feroz Ghouse	4S7FG (guest)
Jerome Brokowsky	WA9UCZ (guest)

Additional notes:

The club trailer is presently setting in my back yard. It is in very bad shape. All club members are welcome to stop by and see if there is anything they might have to restore it.

All T.S.R.A. past members please remember your 1985 R.A.R.C dues are due in May.

From the ARNS Bulletin

Wisdom keeps some people silent; with others it is just a soft 807.

What would we be like if we took all the advice we hear on the Ham bands?

Did you hear about the CBER who had blood poisoning? He bit his tongue.

YELLOW THUNDER AMATEUR RADIO CLUB

The March 13, 1985 meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order at 7:30 p.m. by President Art Kleefisch, W9WSS in room 30 of the Baraboo Civic Center.

The following members were present:

Art Kleefisch	W9WSS	Baraboo
Duane Grotophorst	KA9KHL	Sauk City
Ken Ebnetter	K9EN	Portage
Jim Decker	WS9UQT	Baraboo
Pete Sweeney	WD9JIB	Reedsburg
Harry Westlund	K9EHJ	Baraboo
Ken Johnson	K9DZG	Mazomanie
Harry Mayland	K9FFT	Baraboo

The minutes of the February meeting were approved as printed in Smoke Signals. The Treasurers report was read and accepted.

Communications and announcements: Brief items were read from Westlink Report and the ARRL Letter.

Brief reports were given by members who participated in the recent Wisconsin QSO party.

Old business: Brief discussion of future meeting programs.

No new business:

Door prize: The prize of \$3.00 was won by none other than our President Art Kleefisch, W9WSS. We tried to fool Art's calculator (which is programed to select a random number) by using a new list of members but it didn't work as it found Art's new number.

The meeting was adjourned at 8:30 p.m.

Following a short intermission, the program on antennas was conducted by Ken Ebnetter, K9EN.

YTARC BIRTHDAZE:

The following members celebrate their birthdays in April.

Bennie Raum	WB9QQG	April	23
William Klinkner		April	27

The April meeting of the Yellow Thunder ARC will be held April 11, 1985 at 7:30 p.m. in room 30 of the Baraboo Civic Center.

It's peculiar. After all I am the only one on 40 meters who gets winded calling CQ!!!

Sentence Sermon:

Although the Master has gone to prepare a place for us, we must prepare ourselves for that place.

UTC or GMT?

(By WE4Q in the DXtra, via radiation, Chattanooga TN, via ARNS Bulletin)

The time Zones which we use, such as EST, MST, etc., or for that matter, Zulu time, are all related to Coordinated Universal Time (UTC). For the purpose of radio communications, Greenwich Mean Time (GMT) is out.

GMT was based on solar time, i.e., the earth's orbit around the sun. It was, if you wish, astronomical time. Because the orbit of the earth around the sun is not circular, corrections had to be made, thus creating "mean solar time." The system served us well for many years until something better came along in the form of atomic oscillators.

Atomic oscillators are extremely accurate, and give the benefit of a very uniform time scale. On the other hand, navigators require a clock tied to the exact position of the earth and are therefore less impressed with the uniformity of time. In fact, precise navigation requires conversion back from UTC. So, you see, you cannot please all at the same time. In fact, the new UTC system, which was adopted in 1971 and became effective in 1972, is a compromise between the scientist's desire for a uniform time scale and the navigator's need for solar time which is referred to as UT1. UTC is maintained by atomic clocks at a uniform scale up to an error of 9/10 of a second compared to the navigators time. At that point a leap second is introduced as correction. If you listen carefully to WWV, you may hear the double ticks or pulses after the start of each minute. This gives you the UTC - UT1 correction, in units of 0.1 second. The location of the double tick within the minute gives the sign (+ or -) of the correction.

More from ARNS Bulletin

This guy was so lazy that when he got the seven year itch, he got three years behind in his scratching.

Tell the YF that inflation is just a drop in the bucket ... and then go buy that new transmitter.

WISCONSIN NETS ASSOCIATION LTD.

WISCONSIN NETS

NET	WNA	FREQ	UTC	CST	MANAGER
BWN	YES	3984	1200Z	0600	WD9IID
BEN	YES	3985	1800Z	1200	WB9ESM
WSBN	YES	3985	2330Z	1730	WA9ZTY
WNN	YES	3723	0000Z	1800	KA9QBP
WSSN	YES	3645	0030Z	1830	N9BDL
WIN-E	YES	3662	0100Z	1900	WB9ICH
WIN-L	YES	3662	0400	2200	KC9CJ
NWTN	YES	34/94	0030Z	1830	W9JSF
WCWTN	YES	31/91	0030Z	1830	N9DHT
GR.BAY	NO	72/12	0245Z	2045	WB9NRK
			THU	WED	
WRN	NO	3625	0000Z	1800	K9UTQ
	RTTY	Mon. Wed. Fri.	UTC		
		Sun. Tue. Thu.	Local time		

=====

WEST CENTRAL WISCONSIN TRAFFIC NET
(WCWTN) REPORT:

Jim Thomson N9DHT, Net Manager
3103 Leslie Lane
Eau Claire WI 54703

The WCWTN is going strong and picking up new membership all the time. My only problem at this time as Net Manager is that I find it hard to get people to get involved as Net Control Stations on a more or less steady basis.

I might report that January was the start of what looks like a very good year for the WCWTN, as we got off to a running start for this year, with the following figures:

QNI - 604
QTC - 55/54
QTR - 649 minutes
31 sessions

I do think that I should inform you that I have noticed that you list N9DIH as the Net Manager, and even though I think that N9DIH would make one heck of a good Manager, he might find it a little hard to run it from his location.

Looking forward to the state WNA meeting and seeing all the fellows I met last year. It was a very good time for me, and I really enjoyed myself.

73 to everyone in the WNA

-Jim Thomson N9DHT-

=====

Did you hear about the gal who was so knock-kneed that when she walked into the code class she found all i's were on her?

From Your Affiliated Club Coordinator

Greg A. Miller, KA9F0Z
2522 Wood St.
La Crosse, WI 54603

As I look around my shop at all the things I could, or should, be doing (completing my income tax is at the bottom of the list) I think that sitting down and writing an introduction to your new Affiliated Club Coordinator was what should be done first.

My name is Greg Miller, I live at 2522 Wood St. in La Crosse, Wisconsin. I have been a licensed Ham since 1979, presently holding a General Class license. My call is KA9F0Z. I am Secretary-Treasurer of the Riverland Amateur Radio Club, Public Information Assistant for the La Crosse area, and was just recently appointed ACC by our SM, Richard Regent.

I am very excited about getting this appointment and sincerely plan on doing my best at fulfilling the duties of ACC.

Enough about me, now I want to know more about you. The ARRL will provide me with information on all Wisconsin Affiliated Clubs as time goes on, but I would like to know what your club is doing throughout the year. If you have a newsletter, please put my name on your mailing list. If you don't have one, can you, whether you are affiliated or not, have someone in your club send me a brief description of your club, with some of the activities you have planned. I hope that one of your clubs goals for 1985 is to become a Special Service Club (SCC), if so, lets work together to see that it happens.

As of this writing, I have not set down a plan of action for the year and beyond. I have decided to wait until I receive the information I have requested from you. With warmer weather on the way (we are in the middle of a winter storm warning as I write this) I hope to be visiting some of the clubs around the state, and learning more about them. I already have some ideas on improving club participation that I want to share.

Well, I think I have take enough space so I will say goodbye for now, but, before I go I want to thank all the staff at Badger State Smoke Signals for providing a great service to the Wisconsin Amateurs and for allowing me space in their fine publication.

Thank You
Greg A. Miller, KA9F0Z, ACC

FROM THE SECTION MANAGER:

Richard Regent K9GDF
5003 South 26th Street
Milwaukee WI 53221

The Milwaukee School of Engineering RC welcomed 600 visitors to their second Annual Swapfest in March.

K9AKG, Ole, enjoyed repairing a friend's 1912 Edison phonograph.

WB9JWT, Roger reports the Milwaukee Area Net meets on 50.115 MHz SSB, Mondays and Fridays at 9 p.m. for the purpose of traffic handling, general information exchange, and grid hunting when conditions are right. Net Manager WB9JWT has around 18 checkins, sometimes a few from outside of Wisconsin, and welcomes newcomers.

Any Clubs want to plan for operating a booth at this years' State Fair?

Welcome new Manitowoc EC WB9MFB.

K9GDF talks VEP at Kettle Moraine RAC meeting and visits Racine Magacycle ARC to hear KC9CJ give traffic talk.

Sorry to report WD9AOD a Silent Key.

New repeater for Park Falls area being considered by Price County Repeater Association.

During early March, AG9G and KC9CJ were Net Control Stations on WIN/L, but, because of bad band conditions, they were on simultaneous nets without either realizing what the other was doing.

New Ozaukee RC officers: President - WB9ROR. Vice-President - WA9JOB. Secretary - KA9PZG. Treasurer - WB9LNL.

BPL to KA9CPA and WA9WYS.

Operating mobile packet radio is becoming second nature for WB9WRW of Milwaukee, who uses a TRS-80 Model 100 portable computer, AEA PKT-1 packet controller, and an IC-2AT to make QSOs while mobile. His farthest simplex contact was with WA4CDY of Fond du Lac.

Ron assures everyone that he types into memory and reads received messages only at stop signs, but loves to hit the return key while driving to send packets! WB9WRW just recently figured out how to run the packet radio system off two gel-cell batteries to operate slow-walking portable.

D9RN RPT FOR FEB 85 X 599 MSGS IN 1371 MINS X WISCONSIN 100% X STNS K9RTB W9DDV W9CBE WA9WYS N9DGE KC9CJ KA9OBP WB9FRI WB9ICH - DALE, WA4JTE, NM

CAND RPT FEB 85 X 1143 MSGS IN 28 SESSIONS X D9RN 100% X WI STNS K9RTB N9BGE WA9WYS W9DDV W9CBE KC9CJ 73 - JERRY W5KLV

9RN CYCLE 4 RPT FEB 85 X QNI 342 QTC 512 QTR 1099 MINS IN 56 SESSIONS WI PARTICIPATION 91% STNS W9CBE KC9CJ W9DND K9GDF WB9ICH KA9OBP K9UTQ W9YCV W9YT 73 - PEGGY, W9JUJ, NM.

The last 2 pages of this months Smoke Signals will have information on reporting severe weather traffic. Meanwhile, here is some more from our collection of filler material:

???????????

If you think our rules are hard to understand, how about this one:

From New Zealand Assn's of Radio Transmitters BREAK IN via ARNS

As promised last month here is clarification of the extract from the Australia Radiocommunications Act 1983:

"5. (1) Without prejudice to its effects apart from this sub-section, the Act also has, by force of this sub-section the effect it would have if the reference in the definition of "radio communications" in sub-section 3(1) to things and things were a reference to parts of things and the same or other parts of the same things."

So now you know! --By ZL1HV

EYE DEW PROOF REED----

From Discharge, Arrowhead RAC via Groundwave, via ARNS

I try tu find asa meeny mistakes as i can when i am duing the newsletter each munth buty ocassionallly wun or tue pass buy my watchful i.. I have never clammed to bee a literery genius and a whiz at the tupewriter. (although i can tipe,with as many as 3 fingers at wun tyme.) if i makes a mistake ina your atricul please fourgive mee, for i am onlee human. And tu those who critisize all of the tipos and dont give mee articuls ferthe nuseleter, i may pertend to listen to u butt yuor coments don't meen much to mee.

cinseerly, ur edditor

73 de bsss staff

WEATHER OPERATIONS TIME AT HAND:

(Editor's Note: This is a letter from Rob Hummel, WA9ZTV, our staid Net Control Station during heavy weather. Rob holds forth on Baraboo 146.28/88 for our severe weather nets.)

It's getting close to that time of year again.. the time when you will start hearing those April showers, with thunder, lightning, high winds, and more, etc. in them. It's a good idea for everyone to get familiar with the program again.

In the past, we, the participants on the Severe Weather Net have had an excellent track record, and scored some pretty good points with the National Weather Service, and with a lot of local and state officials with our excellence in reporting the weather.

We have had an outstanding audience, Ham and non-Ham alike, who have used our Net to determine what action they should take or not take for their safety. Even with our minor problems, we have come out shining.

I would like to take a minute to say "thanks" to all who participated the past years, and welcome to you newcomers.

After the Barneveld Tornado last year, the net became noticeably very undisciplined and at times, unprofessional. This was largely due to a lot of people meaning very well, but who really had nothing to report. They wanted to help, but there was nothing to help with, so, it is a good idea to read over these guidelines very carefully, before the next batch of severe weather sets in.

1. THE WISCONSIN SEVERE WEATHER NET will be called to order, on the 146.28/146.88 Baraboo repeater, with the alternate being 146.16/146.76 in case Baraboo goes down, during times of Severe Weather, as determined by the NWS Truax Field, or by a Severe Thunderstorm Warning, or Tornado Warning. We will not activate for a Severe Thunderstorm Watch, or a Tornado Watch, UNLESS conditions warrant such activation, or it is felt necessary by the NWS.

2. Check into the net only when checkins are asked for. This will be done as time permits, and will be done for specific counties. When checking in, give your call letters and location, and listen to be sure you're not doubling. DO NOT GIVE WEATHER CONDITIONS UNLESS WE ASK FOR THEM, OR UNLESS THEY ARE OF SEVERE NATURE! We will have a lot of stations on frequency who may have severe weather to report, and when you're giving your light shower report, he may be trying to report a touchdown and go off the air waiting to get in.

3. DO NOT SOLICIT WEATHER REPORTS!! Now, we understand this is a two way street. Our primary purpose is to provide emergency weather data and help the NWS. As a secondary benefit, we are blessed with up to the minute weather data, which will be collected, sorted and disseminated on frequency for the benefit and pleasure of the stations as (A) Time permits (B) As Watches and Warnings are issued (C) Every 15 minutes or so as (A) and (B) permit.

PLEASE DO NOT:

- (A) Ask Net Control about the weather at a location because a relative or friend lives there.
- (B) Break in to say it has started or stopped raining at a particular location.
- (C) Break in and say sirens are going off at a particular location.. We know they are.. We get the warnings first!
- (D) Break in to let Net Control know it is quiet and that you are terminating. If you are not there when we call, we will assume the weather has passed your area.
- (E) Don't break in with old data, i.e, heard from broadcast radio, warnings issued by weather radio, etc. We have all this data.

PLEASE DO REPORT:

- (A) Report all hail activity.
- (B) Excessively heavy rains (Such as: One report was 7 inches in less than an hour.)
- (C) Report winds in excess of 55 m.p.h., and how you determined it. (i.e., specify whether you used an anemometer, or if you used visual. Light damage begins to occur at 55 m.p.h.)
- (D) Give TIME, SOURCE, and LOCATION of your weather phenomenon. Example: WA9ZTV... N7AAA, Tornado touchdown, 11:31, reported by Green Lake PD... 3 miles N. City Green Lake, moving ENE 20 m.p.h.
- (E) Unusually heavy lightning.
- (F) And, of course, damage done by storms, tornadoes, funnels, and downspouts.
- (G) If you don't know all of the data, specify that you don't know. DON'T ASSUME!

Please keep in mind: There is an Amateur Radio Operator at the National Weather Service and a Net Control, and liaison stations who, in a lot of cases, would rather be doing something else... so:

- A. Keep the frequency clear. Do not idly chit chat. If you need to call a station, clear it through Net Control, call your station, and move off quickly.
- B. Do not call the operator at the National Weather Service directly. The reason for this is there is too much activity at NWS for that station to conduct net activities. This is work for the people at NWS and they do not want to be distracted. That is the reason there is a separate Net Control.

C. Use the local net. There will now be local nets with liaisons reporting to 146.88. They are:

Dane County	146.34/146.94
Dodge County	146.04/146.64
Green Lake County	146.955/146.355
Jefferson County	New Jefferson County Repeater

If you cannot get into these groups, or if they have not activated, then use 146.28/146.88.

PROCEDURES DURING WORKING HOURS:

MONITOR, do not talk, on 146.88. Obey all of the above procedures. Do NOT call me on the air to ask about the weather. I will be working, and I will be monitoring for ONLY SEVERE WEATHER REPORTS. Please do not sit and bitch because there is no net. Remember, we do have to work for a living, and do not get paid for running weather nets.

I have a direct line into NWS, and will handle all emergency traffic as it comes up. I will not respond to inquiries or calls other than stations with Severe Weather reports only. If NWS wants and there is a station who does not have to work, and can go out to NWS/Truax, we will be communicating with him, and, if conditions warrant, set up an alternate NCS.

This all sounds pretty mean, cut, dried and organized, but, unfortunately, necessary. The last thing I want to do is discipline my friends in net procedure, for when you do, you lose a friend and become an instant bad guy. PLEASE DON'T MAKE IT NECESSARY!

Don't make my job any harder than it is. Review your emergency procedures outlined in the ARRL manuals and try to follow them.

Remember the Wisconsin Sideband Net, 3.985, 5:30 p.m. CST.. We do activate there in very special cases.

Thanks to all of you who have made it the best net in the land!!

--Rob, WA9ZTV

=====

SEVERE WEATHER NET OUTLINE

A. PURPOSE

1. TO SAVE LIVES

2. To provide accurate, timely information to NWS.

a. So they can provide accurate, timely warnings.

b. So they can confirm or deny possible threatening conditions as determined by radar.

B. PROCEDURE

1. Net Activation

a. By NWS direction.

b. By issue of Severe Thunderstorm Warning.

c. Conditions dictate activation during an NWS Watch period.

C. STATION PARTICIPATION & PREPARATION

1. EQUIPMENT

a. Be sure equipment is in good condition (mike cables, etc.)

b. Be sure antenna located well and in good condition.

c. Have backup equipment checked and in good condition.

d. Have a good set of maps and use them.

e. NCS should have ample forms on hand for conducting net and recording watched and warnings.

f. If you have weather station equipment, use it.

2. CHECK IN

a. Listen before transmitting.

b. Check in only when you have severe weather conditions to report or when asked by NCS for a certain vicinity. Please specify if you are fixed or mobile.

c. When NCS asks for general checkins, as time permits.

3. REPORTING

a. Call sign, location, condition, time observed, source.

b. Severe Criteria: Winds in excess of 50 MPH. Hail, 1/4" dia. or greater, excessive lightning, heavy rain.

c. Damage, cause, how much to what, etc.

d. Flooding, where, area affected, depth.

e. If details are sketchy, or not known, state so, don't fabricate.

D. OPERATION DURING WORKING HOURS

1. Limited Operation

a. Severe WX conditions only.

b. Keep frequency clear.

c. No updates on weather.

d. No General checkins will be taken.

=====

We have a few last minute items submitted to BSSS:

FCC Amateur Radio license examinations will be held April 27, 1985, at 9 a.m. at the Vocational School in Wisconsin Rapids. Examinations will also be given June 16 at 9 a.m. at a location to be announced in Stevens Point. This is the same date as the CWRA annual Swapfest/Family Picnic in the same city.

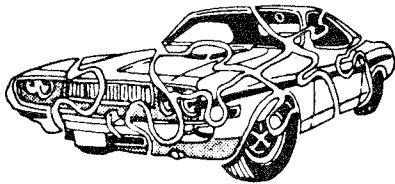
Central Wisconsin Radio Amateurs Ltd. (CWRA) regular meetings are held the second Wednesday of the month at 7:30 p.m. at the University of Wisconsin Stevens Point (UWSP) Science Building in Stevens Point WI.

Central Wisconsin Radio Amateurs Ltd. (CWRA) annual Swapfest/Family Picnic will be held June 16, 1985.

The Watertown ARC and Tri-County ARC are sponsoring test sessions. They are held at the University of Wisconsin in Whitewater. The next test session is May 5th in the morning, and one is being planned for sometime in August.

Contact: John Block Jr., N9EAJ, 1305 S. 3rd. St., Watertown, WI 53094

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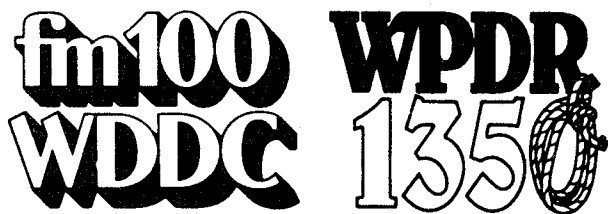
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BADGER STATE SMOKE SIGNALS

To all Wisconsin Amateur Radio Clubs:

If you are not a regular recipient of Badger State Smoke Signals, this sample copy is to introduce our publication to you, and invite you to join our regular readers. Smoke Signals has been published monthly for over 15 years. Originally published as the club paper for the Yellow Thunder Amateur Radio Club, it has been, for the past three years, a state-wide publication.

Badger State Smoke Signals will carry current Amateur Radio news, news about YELLOW THUNDER ARC, RIVERLAND RADIO CLUB, WNA, ARRL and other clubs and groups in Wisconsin as well.

We would like to offer our services to the members of your club. If your club has a newsletter or bulletin, we will be willing to exchange newsletters with you. We will include information from your club in our newsletter and you may feel free to use information from ours. We are especially interested in information about your class schedules and VE FCC license examination schedules.

If your club does not publish a newsletter, Badger State Smoke Signals would be happy to serve your members as the official journal for your club.

In addition to our regular individual subscription rates (on the other side of this sheet) we offer a bulk subscription rate to clubs having 20 or more subscriptions per year at a rate of \$4.50 each. The club can pass the savings on to its members or keep it for the club treasury.

Clubs wishing to participate in Badger State Smoke Signals with a page devoted to their club can receive an even lower rate. Mailings must be made to the entire club membership (note 1.) and your club would receive a 15 percent additional complimentary mailings. (There are presently over 100 complimentary and exchange addresses on the mailing list in addition to the present subscribers.)

CLUB RATES:	Less than 50 members	\$4.20 per year
	Over 50 members	\$3.60 per year

Your club would have space reserved for publication each month and we ask that you prepare and submit your material.

Advertising space is available in Smoke Signals and we do offer a small commission to clubs selling space.

For participating clubs or advertisers, we will include Hamfest/Swapfest flyers at no added cost. There is a charge of mailing only) There is no charge for listing in the monthly Swapfest column.

If your club is interested in participating in Badger State Smoke Signals, please contact Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, Wisconsin 53901. Telephone (608) 742-3560.

note 1. We recognize that there may be members already on our mailing, but this duplication is part of what allows us to offer our low rates.

BADGER STATE SMOKE SIGNALS

SUBSCRIPTION INFORMATION

Dear Fellow Radio Amateur:

If you are not a regular recipient of Badger State Smoke Signals, this sample copy is to introduce our publication to you, and invite you to join our regular readers. Smoke Signals has been published monthly for over 15 years. Originally published as the club paper for the Yellow Thunder Amateur Radio Club, it has been, for the past two years, a state-wide publication.

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If you wish to subscribe, please use the form below. Make checks or money orders payable to Badger State Smoke Signals. Send this form to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, Wis. 53913.

In addition to the above rates, a special reduced rate is available to clubs having 20 or more subscriptions per year at a rate of \$4.50 each.

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If you are active on the traffic nets and wish to receive Smoke Signals as a WISCONSIN NETS ASSOCIATION BOOSTER please contact WNA Treasurer, Mike Hamman, KA9BHL, Rte. 5, Box 668, Tomahawk, WI 54487 for information on how to become a WNA BOOSTER.

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